

CATIA Magic and No Magic products affected by Spring Framework - Spring4Shell - vulnerability - CVE-2022-22965

[updated on 2022 06 06 16:00 GMT+1]

For more information, see [spring blog](#) and [CVE-2022-22965](#).

- [Change log](#)
- [Spring Framework \(Spring4Shell\) version 5.3.0 to 5.3.17, 5.2.0 to 5.2.19](#) is a part of the following products. Action to perform.
 - CATIA Magic portfolio
 - No Magic portfolio
- [Remediation](#)
 - [Remediation instructions for collaboration tools \(Magic Collaboration Studio, Teamwork Cloud, Cameo Collaborator for Teamwork Cloud\) 2021x Refresh2](#)
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 - [Remediation instructions for collaboration tools \(Magic Collaboration Studio, Teamwork Cloud, Cameo Collaborator for Teamwork Cloud\) 19.0 SP4](#)

Change log

Timestamp	Description
2022 06 06 16:00 GMT+1	2021x Refresh2 HF3 (hot fix) with Spring Framework 5.3.18 is released as Remediation option.
2022 04 22 16:00 GMT+1	Added Remediation option for Collaboration tools 2021x GA version.
2022 04 04 18:00 GMT+1	First publication. Collaboration tools affected, see Remediation .

Spring Framework (Spring4Shell) version 5.3.0 to 5.3.17, 5.2.0 to 5.2.19 is a part of the following products. **Action to perform.**

CATIA Magic portfolio

- Magic Collaboration Studio (release **19.0 SP4, 2021x GA, 2021x Refresh1, 2021x Refresh2**)

No Magic portfolio

- Teamwork Cloud (release **19.0 SP4, 2021x GA, 2021x Refresh1, 2021x Refresh2**)
- Cameo Collaborator for Teamwork Cloud (release **19.0 SP4, 2021x GA, 2021x Refresh1, 2021x Refresh2**)

To Do: You have action to perform. [See Remediation](#).

Remediation

Remediation instructions for collaboration tools (Magic Collaboration Studio, Teamwork Cloud, Cameo Collaborator for Teamwork Cloud) 2021x Refresh2

Option 1

Download and install 2021x Refresh2 HF3 (hot fix). This is a new full 2021x Refresh2 version build with Spring Framework version 5.3.18.

See [Downloading installation files](#)

Option 2

Before starting with remediation, please download <https://repo.spring.io/artifactory/release/org/springframework/spring/5.3.18/spring-5.3.18-dist.zip>

The required files for remediation could be found in *spring-framework-5.3.18/libs* folder.

1. Stop WebApp service
2. Go to <webapp.install.dir>/webapps
3. Delete folders:
 - a. admin/
 - b. collaborator/
 - c. document-exporter/
 - d. resource-usage-map/
 - e. resources/
 - f. webapp/
- g. copy .war file (admin.war/collaborator.war/document-exporter.war/resource-usage-map.war/resources.war/webapp.war) to a temp directory. In the temp directory:
 - i. unzip .war file
 - ii. go to <war.file.name>/WEB-INF/lib
 - iii. perform the modification:

Jar file to delete	Replace with
spring-aop-5.3.8.jar	spring-aop-5.3.18.jar
spring-beans-5.3.8.jar	spring-beans-5.3.18.jar
spring-context-5.3.8.jar	spring-context-5.3.18.jar
spring-context-support-5.3.8.jar	spring-context-support-5.3.18.jar
spring-core-5.3.8.jar	spring-core-5.3.18.jar
spring-expression-5.3.8.jar	spring-expression-5.3.18.jar
spring-jcl-5.3.8.jar	spring-jcl-5.3.18.jar
spring-web-5.3.8.jar	spring-web-5.3.18.jar
spring-webmvc-5.3.8.jar	spring-webmvc-5.3.18.jar

- h. compress the content of extracted .war file
- i. rename .zip with the .war file name, for example: **admin.war**
- j. replace original .war file with modified one in <webapp.install.dir>/webapps.
- k. repeat the modification for all .war files.
- l. start WebApp service.

Remediation instructions for collaboration tools (Magic Collaboration Studio, Teamwork Cloud, Cameo Collaborator for Teamwork Cloud) 2021x Refresh1

Before starting with remediation, please download <https://repo.spring.io/artifactory/release/org/springframework/spring/5.3.18/spring-5.3.18-dist.zip>

The required files for remediation could be found in *spring-framework-5.3.18/libs* folder.

1. Stop WebApp service
2. Go to <webapp.install.dir>/webapps
3. Delete folder webapp/
4. Copy **webapp.war** file to a temp directory. In the temp directory:
 - a. unzip **webapp.war** file
 - b. go to webapp/WEB-INF/lib
 - c. perform the modification:

Jar file to delete	Replace with
spring-aop-5.3.0.jar	spring-aop-5.3.18.jar
spring-beans-5.3.0.jar	spring-beans-5.3.18.jar
spring-context-5.3.0.jar	spring-context-5.3.18.jar
spring-context-support-5.3.0.jar	spring-context-support-5.3.18.jar
spring-core-5.3.0.jar	spring-core-5.3.18.jar
spring-expression-5.3.0.jar	spring-expression-5.3.18.jar
spring-jcl-5.3.0.jar	spring-jcl-5.3.18.jar
spring-web-5.3.0.jar	spring-web-5.3.18.jar
spring-webmvc-5.3.0.jar	spring-webmvc-5.3.18.jar

- d. compress the content of extracted **webapp.war** file
- e. rename .zip with the **webapp.war**
- f. replace original **webapp.war** file with modified one in <webapp.install.dir>/webapps
- g. start WebApp service.

Remediation instructions for collaboration tools (Magic Collaboration Studio, Teamwork Cloud, Cameo Collaborator for Teamwork Cloud) 2021x GA

Before starting with remediation, please download <https://repo.spring.io/artifactory/release/org/springframework/spring/5.3.18/spring-5.3.18-dist.zip>

The required files for remediation could be found in *spring-framework-5.3.18/libs* folder.

1. Stop WebApp service
2. Go to <webapp.install.dir>/webapps
3. Delete folder *webapp/*
4. Copy **webapp.war** file to a temp directory. In the temp directory:
 - a. unzip **webapp.war** file
 - b. go to *webapp/WEB-INF/lib*
 - c. perform the modification:

Jar file to delete	Replace with
spring-aop-5.2.5.jar	spring-aop-5.3.18.jar
spring-beans-5.2.5.jar	spring-beans-5.3.18.jar
spring-context-5.2.5.jar	spring-context-5.3.18.jar
spring-context-support-5.2.5.jar	spring-context-support-5.3.18.jar
spring-core-5.2.5.jar	spring-core-5.3.18.jar
spring-expression-5.2.5.jar	spring-expression-5.3.18.jar
spring-jcl-5.2.5.jar	spring-jcl-5.3.18.jar
spring-web-5.2.5.jar	spring-web-5.3.18.jar
spring-webmvc-5.2.5.jar	spring-webmvc-5.3.18.jar

- d. compress the content of extracted **webapp.war** file
- e. rename .zip with the **webapp.war**
- f. replace original **webapp.war** file with modified one in <webapp.install.dir>/webapps
- g. start WebApp service.

Remediation instructions for collaboration tools (Magic Collaboration Studio, Teamwork Cloud, Cameo Collaborator for Teamwork Cloud) 19.0 SP4

Before starting with remediation, please download <https://repo.spring.io/artifactory/release/org/springframework/spring/5.3.18/spring-5.3.18-dist.zip>

The required files for remediation could be found in *spring-framework-5.3.18/libs* folder.

1. Stop WebApp service.
2. Go to <webapp.install.dir>/webapps
3. Delete folder *webapp/*
4. Copy **webapp.war** file to a temp directory. In the temp directory:
 - a. unzip **webapp.war** file
 - b. go to *webapp/WEB-INF/lib*
 - c. perform the modification:

Jar file to delete	Replace with
spring-aop-5.1.7.RELEASE.jar	spring-aop-5.3.18.jar
spring-beans-5.1.7.RELEASE.jar	spring-beans-5.3.18.jar
spring-context-5.1.7.RELEASE.jar	spring-context-5.3.18.jar
spring-context-support-5.1.7.RELEASE.jar	spring-context-support-5.3.18.jar
spring-core-5.1.7.RELEASE.jar	spring-core-5.3.18.jar
spring-expression-5.1.7.RELEASE.jar	spring-expression-5.3.18.jar
spring-jcl-5.1.7.RELEASE.jar	spring-jcl-5.3.18.jar

spring-web-5.1.7.RELEASE.jar	spring-web-5.3.18.jar
spring-webmvc-5.1.7.RELEASE.jar	spring-webmvc-5.3.18.jar

- d. compress the content of extracted **webapp.war** file
- e. rename .zip with the **webapp.war**
- f. replace original **webapp.war** file with modified one in *<webapp.install.dir>/webapps* directory
- g. start WebApp service.